

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: June 18, 2001, 15:29:27 ; Search time 28.21 seconds
(without alignments)
324.199 Million cell updates/sec

Title: US-09-653-755A-4

Perfect score: 2427

Sequence: 1 EVQLQSGSEELVPGASVMI.....RHEGLKNYIKRTISRPCK 454

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 193259 seqs, 20144635 residues

Total number of hits satisfying chosen parameters: 193259

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PTUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1839.5	75.8	468	2	US-08-116-247-7 Sequence 7, Appl
2	1830.5	75.4	468	2	US-08-303-569B-7 Sequence 7, Appl
3	1594.5	65.7	445	1	US-08-353-400-33 Sequence 33, Appl
4	1594.5	65.7	464	1	US-08-353-400-36 Sequence 36, Appl
5	1548	63.8	454	2	US-07-934-373C-22 Sequence 22, Appl
6	1548	63.8	454	3	US-08-437-642B-22 Sequence 22, Appl
7	1548	63.8	454	5	PCT-US93-07832-22 Sequence 22, Appl
8	1466.5	60.4	449	1	US-08-458-516-13 Sequence 13, Appl
9	1447	59.6	467	4	US-09-049-672A-8 Sequence 8, Appl
10	1439	59.3	467	2	US-07-916-098A-45 Sequence 45, Appl
11	1427.5	58.8	476	2	US-08-378-939-10 Sequence 10, Appl
12	1427	58.8	452	3	US-09-027-449-71 Sequence 71, Appl
13	1427	58.8	452	4	US-09-026-985-71 Sequence 71, Appl
14	1419	58.5	552	5	PCT-US93-07832-23 Sequence 23, Appl
15	1416	58.3	450	2	US-08-788-800-12 Sequence 12, Appl
16	1416	58.3	469	2	US-07-934-373C-23 Sequence 23, Appl
17	1416	58.3	469	2	US-08-437-642B-23 Sequence 23, Appl
18	1411.5	58.2	599	3	US-08-442-542-18 Sequence 18, Appl
19	1411.5	58.2	599	3	US-08-765-469-18 Sequence 18, Appl
20	1411.5	58.2	599	3	US-08-157-101A-7 Sequence 7, Appl
21	1375	56.7	459	1	US-08-887-352B-14 Sequence 14, Appl
22	1371.5	56.5	451	2	US-08-887-352B-16 Sequence 16, Appl
23	1371.5	56.5	451	2	US-08-887-352B-16 Sequence 16, Appl
24	1371.5	56.5	451	3	US-08-466-151-65 Sequence 65, Appl
25	1371.5	56.5	451	4	US-09-109-207C-14 Sequence 14, Appl
26	1371.5	56.5	451	4	US-09-109-207C-16 Sequence 16, Appl
27	1370.5	56.5	451	2	US-08-887-352B-18 Sequence 18, Appl

28	1370.5	56.5	451	4	US-09-109-207C-18 Sequence 18, Appl
29	1370.5	56.5	451	4	US-09-282-505-2 Sequence 2, Appl
30	1370.5	56.5	451	4	US-09-054-255-2 Sequence 2, Appl
31	1368	56.4	446	4	US-08-397-411-7 Sequence 4, Appl
32	1362	56.1	473	4	US-09-049-672A-4 Sequence 4, Appl
33	1351.5	55.7	443	5	PCT-US96-13152-4 Sequence 8, Appl
34	1351.5	55.7	453	3	US-08-466-151-8 Sequence 8, Appl
35	1345.5	55.4	478	4	US-08-487-550-8 Sequence 8, Appl
36	1338	55.1	467	1	US-08-704-744-81 Sequence 81, Appl
37	1336	55.0	445	4	US-08-341-560B-17 Sequence 17, Appl
38	1316.5	54.2	476	4	US-08-487-550-12 Sequence 12, Appl
39	1316	54.2	467	4	US-08-523-894-12 Sequence 12, Appl
40	1309	53.9	467	4	US-08-523-894-10 Sequence 10, Appl
41	1301	53.6	467	4	US-08-523-894-8 Sequence 8, Appl
42	1294	53.3	442	5	PCT-US96-10043-9 Sequence 9, Appl
43	1287	53.0	442	1	US-08-461-968A-5 Sequence 5, Appl
44	1287	53.0	442	2	US-08-462-571-5 Sequence 5, Appl
45	1277.5	52.6	476	4	US-08-487-550-4 Sequence 4, Appl

ALIGNMENTS

RESULT 1

US-08-116-247-7

Sequence 7, Application US/08116247

Patent No. 5929212

GENERAL INFORMATION:

APPLICANT: Jolliffe, Linda K.

APPLICANT: Zivlin, Robert A.

APPLICANT: Adair, John R.

APPLICANT: Atwal, Diljeet S.

TITLE OF INVENTION: CD3 Specific Recombinant Antibody

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESSES:

ADDRESS: Woodcock Washburn Kurtz Mackiewicz & No. 5929212tris

STREET: One Liberty Place - 46th Floor

CITY: Philadelphia

STATE: PA

COUNTRY: USA

ZIP: 19103

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/116,247

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/743,377

FILING DATE: 10-OCT-1991

ATTORNEY/AGENT INFORMATION:

NAME: Patentin, Francis A.

REGISTRATION NUMBER: 19,386

REFERENCE/DOCKET NUMBER: CARP-0011

TELECOMMUNICATION INFORMATION:

TELEPHONE: (215) 568-3100

TELEFAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 468 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-116-247-7

Query Match 75.8%; Score 1839.5; DB 2; Length 468;
Best Local Similarity 76.3%; Pred. No. 1.2e-140;
Matches 347; Conservative 41; Mismatches 60; Indels 7; Gaps 3;

QY	1	EVOLLOOPELVKPKASAMISORISAFYEFTEYTHMWKQSGEISELWETIGGINPYGSGIE	60
Db	20	OYOLQOQSAEELARPAASAKSKCSKSGCYFTRYTHMWAKORPGQGLEWIGYINPSRGITNY	79
QY	61	SPKFKGATLTIVDKSSSTAYWELRSLTSEDSAYVYCARAGAYY- FDIWGGOTLTLYSSA	119
Db	80	NOKFDRKATLTITDKSSSTAYWQLSLTSEDSAYVYCARAYDDHCHLDYWGQGTTLTVSSA	139
QY	120	KTTPPSYVPLAPGCGDITGSSVYTLGCLYKGYFPESYVYTNWSSGLSSSVHFFPALDOSGL	179
Db	140	KTTAASVYPLAPVCGDITGSSVYTLGCLYKGYFPEPVYTLTNWSSGLSSSVHFFPALDOSL	199
QY	180	YTMSSSYVPSSTMPQOTVTCSSVAHPASTVYDDKLEBSPGISTINPCPCKECHKCPAP	239
Db	200	YTLSSSYVYVSTJMSQSIITCNVAHPASTVYDKKIERGPF--TIKRCPPC----KCPAP	259
QY	240	NLEGGPSYFIPEPNIKDYALSLRPKYTCVYVVDSEDDPVOISMFPYNNVEVHTAQTOTH	299
Db	254	NILGGPSYFIPEPKIKDYALSLSPYIVCVYVVDSEDDPVOISMFPYNNVEVHTAQTOTH	313
QY	300	REDYNSTIRAVYSTLPIDQHODMMSGEFPCCKNNNDLPISERTISLKIIGVAPAOVYILP	359
Db	314	REDYNSTIRAVSALP IQHODMMSGEFCKCKNNNDLP IERTISLKPGRGSAOAOVYILP	379
QY	360	PPADLSRKDYSLTCLVYVGFNPGDISVEWTSNGHTEENYKDTAPALVLDSDGSYFTISKLNM	419
Db	374	PPPEEMTKKQVYTLTCMVDPEFDIEDYEMVTNNKGTELNYKTEPEVLDSGYSFYMSKLRY	433
QY	420	KTSKMEKTDTSFCANVRHGLKANYLAKTISIPCK	454
Db	434	EKKMVERNSTSCSVYHEGLNNHHTTSSFSSTPCK	468

RESULT 2
 US-08-303-569B-7
 Sequence 7, Application US/08303569B
 Patent No. 5859205
 GENERAL INFORMATION:
 APPLICANT: Adair, John R.
 APPLICANT: Athwal, Diljeet S.
 APPLICANT: Emtage, John S.
 TITLE OF INVENTION: Humanised Antibodies
 NUMBER OF SEQUENCES: 31
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205tris
 STREET: One Liberty Place - 46th Floor
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/303.569B
 FILING DATE: 07-SEP-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Trujillo, Doreen Yatcho
 REGISTRATION NUMBER: 35,719
 REFERENCE/DOCKET NUMBER: CARP-0032
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (215) 568-3100
 TELEFAX: (215) 568-3439
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 468 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-303-569B-7

Query Match	75.4%;	Score 1830.5;	DB 2;	Length 468;
Best Local Similarity	76.0%;	Pred. No. 6.2e-140;		
Matches 346;	Conservative 41;	Mismatches 61;	Indels 7;	Gaps 3;

Qy	1	EVOLOSPEELVKGASAMISCRISATFENFENYHWKOSGESLEWIGGINPYGSGIF	60
Db	20	OVOLQOSAEIARFGASVKMSCKSGTFTFYTHMWKORPGOLEMIGITINBSRGTTNY	79
Qy	61	SPKFRGKATLTVDKSSSTAYVELRSLTSEDSAVYYCARRAGAYY-FDYMGGFTLTVSSA	119
Db	80	NOKFEDKATLTITDKSSSTAYWQLSSTISEDSAYYYCARYYDDHCLDYMGGFTLTVSSA	139
Qy	120	KTFPFSYVPLAPGCGDPTTGSSVYTGCLYKGFPPFSYVYTNNSGSLSSSYTFFALLOSGL	179
Db	140	KTLAPSYVPLAPVCGDPTTGSSVYTGCLYKGFPPVLTITMNSGSLSSGYHTFPFVVLQSDL	199
Qy	180	YTMSSSVYPSSTPQOTVTCVSAHPASSTVDEKLEPSPGISYINCPCECKECHKCPAP	239
Db	200	YTLSSSVYVTSSTPQOSITCNVAHPASSTVFDVKIEPRG--TIRKCPPC---KCPAP	253
Qy	240	NLEGGPSYFIFFPNIKDYMLSLTPKYTCVYVDVSEDDPDVQISWYNNVEVHTAQOTH	299
Db	254	NILGGPSYFIFFPKIKDYMLSLSPYTCVYVDVSEDDPDVOISWYNNVEVHTAQOTH	313
Qy	300	REDNSTTRAVYSTPIQHODMMSGKEKCKVNNKDLSPLERTISKJGLVRAPOVYILP	359
Db	314	REDNSTLRVYSAIPQIHODMMSGKEKCKVNNKDLAPLERTISRKGSVRAPQVYVLP	373
Qy	360	PRAEQLSRDVSILTCVLYVGFENPGDISVEWTSNGHTEENYKDFAPVLDDSDGSYFLYSKLM	419
Db	374	PPEEMETKQVTLTCMYTDEMPEDIDYEMTNNGTELTNYKTEBVLDDSDGSYFMYSKLRY	433
Qy	420	KTSKMEKTDSPSCVNRHGLKNYLLKTTISRSPCK	454
Db	434	EKKMNVERNSTSCSVHDEGLKNYLLHTTYSFSSTPCK	468

```

RESULT 3
US-08-353-400-33
Sequence 33, Application US/08353400
Patent No. 566357
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: PROTEINS
NUMBER OF SEQUENCES: 37
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/353,400
FILING DATE:
CLASSIFICATION: 424
PRIOR-APPLICATION DATA:
APPLICATION NUMBER: GB 9324819.3
FILING DATE: 03-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9411089.7
FILING DATE: 03-JUN-1994
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 445 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-353-400-33

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Query Match	Score	DB 1	Length
65.78;	1594.5;		445;

Best Local Similarity 66.5%; Pred. No. 6,4e-121;
Matches 304; Conservative 55; Mismatches 83; Indels 15; Gaps 6;

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OY 1 EVOLQSGPELVKPGASVMSICRTSAVTFENTVHWKQSHGESLEWIGINPYGGSIF 60
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 QVQLQPGAEVLKPGASVMSICRTSAVTFENTVHWKQSHGESLEWIGINPYGGSIF 60
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 61 SPRKGRATLVKSSSTAYMELRSLTSEDSAVYYCAR-RAGAY--YFDYWGQCTTLTVS 117
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 NEKFNKATLVKSSSTAYMELRSLTSEDSAVYYCARERAYGYDDAMDYWGQGSYTVS 120
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 118 SAKTTPSVYPLAPGCGDTTSSVTLGCLVGYGPEPEVTVWNGSLSSSVHTPVALQS 177
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 SAKTTPSVYPLAPGSAQNTSMVTLGCLVGYGPEPEVTVWNGSLSSSVHTPVALQS 180
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 178 GLYTMSSSVTPSSSTWPSQVTCVAHPASSTVDKRLKLEPGPISTINPCPKCKHCP 237
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 DLYTLSSSVTPSSSTWPSQVTCVAHPASSTVDKRLKLEPGPISTINPCPKCKHCP 231
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 238 APNLEGSPVIFPPNIDVLMISLTPKVCVVDVSEDDPDVOISMFVNNVEVHTAQTQ 297
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 232 VPEVS---SVIFPPKPKPDVLTITLTPKVCVVDVSEDDPDVOISMFVNNVEVHTAQTQ 288
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 298 THREDYNSTIRVSTLPIODHMMGSKFEKCKVNNKDLPSPIERTISIKGLVRAPOVYI 357
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 289 PREQFNSTFRSVELPIHODMLNGKEFKCRVNSAFAPIETIKTKGRPAPOVYT 348
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 358 LPPAEQLSRKDVSLTCLVGFNPGDISVENTSGHTEENKTDAPVLDGSGSYFIYSKL 417
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 349 IPPPEQMAKQVSLTCLVGFNPGDISVENTSGHTEENKTDAPVLDGSGSYFIYSKL 408
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 418 NMKTSKWEKTDSEFCNVRHGLKNTYLLKTTISRSPGK 454
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 409 NVQSKNMEAGNTFTCSVLHGLHNHHTKSLSHSPGK 445
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 4
US-08-353-400-36
: Sequence 36, Application US/08353400
: Patent No. 565357
: GENERAL INFORMATION:
: APPLICANT:
: TITLE OF INVENTION: PROTEINS
: NUMBER OF SEQUENCES: 37
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.25 (ERO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/353,400
: FILING DATE:
: CLASSIFICATION: 424
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: GB 9324819.3
: FILING DATE: 03-DEC-1993
: APPLICATION NUMBER: GB 9411089.7
: FILING DATE: 03-JUN-1994
: INFORMATION FOR SEQ ID NO: 36:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 464 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-353-400-36
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Query Match 65.7%; Score 1594.5; DB 1; Length 464;
Best Local Similarity 66.5%; Pred. No. 6.8e-121;
Matches 304; Conservative 55; Mismatches 83; Indels 15; Gaps 6;

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OY 1 EVOLQSGPELVKPGASVMSICRTSAVTFENTVHWKQSHGESLEWIGINPYGGSIF 60
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Db 20 QVQLQPGAEVLKPGASVMSICRTSAVTFENTVHWKQSHGESLEWIGINPYGGSIF 79
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 61 SPRKGRATLVKSSSTAYMELRSLTSEDSAVYYCAR-RAGAY--YFDYWGQCTTLTVS 117
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 80 NEKFNKATLVKSSSTAYMELRSLTSEDSAVYYCARERAYGYDDAMDYWGQGSYTVS 139
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 118 SAKTTPSVYPLAPGCGDTTSSVTLGCLVGYGPEPEVTVWNGSLSSSVHTPVALQS 177
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 140 SAKTTPSVYPLAPGSAQNTSMVTLGCLVGYGPEPEVTVWNGSLSSSVHTPVALQS 199
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 178 GLYTMSSSVTPSSSTWPSQVTCVAHPASSTVDKRLKLEPGPISTINPCPKCKHCP 237
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 200 DLYTLSSSVTPSSSTWPSQVTCVAHPASSTVDKRLKLEPGPISTINPCPKCKHCP 250
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 238 APNLEGSPVIFPPNIDVLMISLTPKVCVVDVSEDDPDVOISMFVNNVEVHTAQTQ 297
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 251 VPEVS---SVIFPPKPKPDVLTITLTPKVCVVDVSEDDPDVOISMFVNNVEVHTAQTQ 307
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 298 THREDYNSTIRVSTLPIODHMMGSKFEKCKVNNKDLPSPIERTISIKGLVRAPOVYI 357
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 308 PREQFNSTFRSVELPIHODMLNGKEFKCRVNSAFAPIETIKTKGRPAPOVYT 367
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 358 LPPAEQLSRKDVSLTCLVGFNPGDISVENTSGHTEENKTDAPVLDGSGSYFIYSKL 417
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 368 IPPPEQMAKQVSLTCLVGFNPGDISVENTSGHTEENKTDAPVLDGSGSYFIYSKL 427
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
OY 418 NMKTSKWEKTDSEFCNVRHGLKNTYLLKTTISRSPGK 454
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 428 NVQSKNMEAGNTFTCSVLHGLHNHHTKSLSHSPGK 464
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RESULT 5
US-07-934-373C-22
: Sequence 22, Application US/07934373C
: Patent No. 5821337
: GENERAL INFORMATION:
: APPLICANT: Paul J. Carter
: APPLICANT: Leonard G. Presta
: TITLE OF INVENTION: Immunoglobulin Variants
: NUMBER OF SEQUENCES: 48
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Genentech, Inc.
: STREET: 1 DNA Way
: CITY: South San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94080
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Winpatin (Genentech)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/934,373C
: FILING DATE: 21-Aug-1992
: CLASSIFICATION: 530
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/US92/05126
: FILING DATE: 15-JUN-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/715272
: FILING DATE: 14-JUN-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Lee, Wendy M.
: REGISTRATION NUMBER: 40,378
: REFERENCE/DOCKET NUMBER: P0709P2
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 650/225-1994
: TELEFAX: 650/952-9881
: INFORMATION FOR SEQ ID NO: 22:
: SEQUENCE CHARACTERISTICS:
```

LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-07-934-373C-22

Query Match 63.8%; Score 1548; DB 2; Length 454;
Best Local Similarity 63.8%; Pred. No. 3.8e-117;
Matches 294; Conservative 59; Mismatches 94; Indels 14; Gaps 4;

QY 1 EYDLOOGEPLVPGASVAMISCTSAFTENTVHWKSHGSLMIGINPYGGSIF 60
DB 1 QYDLOOGEPLVPGASVAMISCTSAFTENTVHWKSHGSLMIGINPYGGSIF 60
QY 61 SPFKKATLVYDKSSSTYVMEIRSLTSEDVAAYCCARRAG-----AYYFDYWGQTTL 114
DB 61 NQRFMKATLVYDKSSSTYVMEIRSLTSEDVAAYCCARRAG-----AYYFDYWGQTTV 120
QY 115 TVSSAKTTPPSVYPLAPGGGDTTSSVTLGCLVKGYPESVTVTMNSGLSSSVHTPEPAL 174
DB 121 TVSSASTKGPVSFPLAPSSKSTSGTALGCLVKGYPESVTVTMNSGLSSSVHTPEPAL 180
QY 175 LQ-SGLYTMSSVTVVSSWPSTQVTCVAHPASSSTTVDKLEPSPGISTINPCPCKEC 233
DB 181 LQSSGLYSLSSVTVVSSWPSTQVTCVAHPASSSTTVDKLEPSPGISTINPCPCKEC 235
QY 234 HKCPAPNLEGGPSVFLEPPNIRKDVLMISLTPKTCVYVDVSEDDPDVQISWFNNVEVHT 293
DB 236 --CPABELLGGPSVFLFPPKPKDTLMISRTPEYTCVYVDVSHEDPEVKFNWYVDGVEVHN 293
QY 294 AQTQTHREDYNSTIRVSTLPIQHODMMSGKEFKCKVNNKDLPSPIERTISIKGLVRAP 353
DB 294 AKTKPREEQYNSTYRVSVLTVDHODMNGKEYCKVSNKALPAPLEKTSIRAKGQPREP 353
QY 354 QYVTLPPPAEOLSRKDVSLTCLVGNFPGDISVEMTNGHTEENYKDTAPVLDSDGSYFI 413
DB 354 QYVTLPPPAEOLSRKDVSLTCLVGNFPGDISVEMTNGHTEENYKDTAPVLDSDGSYFI 413
QY 414 YSKLNTKTSMEKTDTSFCNVRHEGLKNYLLKTTISRSFGK 454
DB 414 YSKLTVDKSRMOGNGVSCSVMHLEALHNHTOKSLSPGK 454

RESULT 6
US-08-437-642B-22
Sequence 22, Application US/08437642B
Patent No. 6054297
GENERAL INFORMATION:
APPLICANT: Paul J. Carter
APPLICANT: Leonard G. Prestla
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/437.642B
FILING DATE: 09-May-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/146206

FILING DATE: 17-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/15272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P2C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-437-642B-22

Query Match 63.8%; Score 1548; DB 3; Length 454;
Best Local Similarity 63.8%; Pred. No. 3.8e-117;
Matches 294; Conservative 59; Mismatches 94; Indels 14; Gaps 4;

QY 1 EYDLOOGEPLVPGASVAMISCTSAFTENTVHWKSHGSLMIGINPYGGSIF 60
DB 1 QYDLOOGEPLVPGASVAMISCTSAFTENTVHWKSHGSLMIGINPYGGSIF 60
QY 61 SPFKKATLVYDKSSSTYVMEIRSLTSEDVAAYCCARRAG-----AYYFDYWGQTTL 114
DB 61 NQRFMKATLVYDKSSSTYVMEIRSLTSEDVAAYCCARRAG-----AYYFDYWGQTTV 120
QY 115 TVSSAKTTPPSVYPLAPGGGDTTSSVTLGCLVKGYPESVTVTMNSGLSSSVHTPEPAL 174
DB 121 TVSSASTKGPVSFPLAPSSKSTSGTALGCLVKGYPESVTVTMNSGLSSSVHTPEPAL 180
QY 175 LQ-SGLYTMSSVTVVSSWPSTQVTCVAHPASSSTTVDKLEPSPGISTINPCPCKEC 233
DB 181 LQSSGLYSLSSVTVVSSWPSTQVTCVAHPASSSTTVDKLEPSPGISTINPCPCKEC 235
QY 234 HKCPAPNLEGGPSVFLEPPNIRKDVLMISLTPKTCVYVDVSEDDPDVQISWFNNVEVHT 293
DB 236 --CPABELLGGPSVFLFPPKPKDTLMISRTPEYTCVYVDVSHEDPEVKFNWYVDGVEVHN 293
QY 294 AQTQTHREDYNSTIRVSTLPIQHODMMSGKEFKCKVNNKDLPSPIERTISIKGLVRAP 353
DB 294 AKTKPREEQYNSTYRVSVLTVDHODMNGKEYCKVSNKALPAPLEKTSIRAKGQPREP 353
QY 354 QYVTLPPPAEOLSRKDVSLTCLVGNFPGDISVEMTNGHTEENYKDTAPVLDSDGSYFI 413
DB 354 QYVTLPPPAEOLSRKDVSLTCLVGNFPGDISVEMTNGHTEENYKDTAPVLDSDGSYFI 413
QY 414 YSKLNTKTSMEKTDTSFCNVRHEGLKNYLLKTTISRSFGK 454
DB 414 YSKLTVDKSRMOGNGVSCSVMHLEALHNHTOKSLSPGK 454

RESULT 7
PCT-US93-07832-22
Sequence 22, Application PC/TUS9307832
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

```
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: palin (Genetech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/07832
FILING DATE: 19930820
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME:
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 709P2PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE:
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: amino acid
TOPOLOGY: linear
PCT-US93-07832-22
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Query Match 63.8%; Score 1548; DB 5; Length 454;
Best Local Similarity 63.8%; Pred. No. 3.8e-117;
Matches 294; Conservative 59; Mismatches 94; Indels 14; Gaps 4;

```
QY 1 EVOLQSGPELVKRGASVMISCRSAITFTENTYVHWKQSGESLEWIGGINPYGGSIF 60
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 QVOLQSGPELVKRGASVMISCRSAITFTENTYVHWKQSGESLEWIGGINPYGGSIF 60

QY 61 SPRKKGATLLVDRSSSTAVYMELSITSEDSAVYYCARAGAY-YFDWGGGTTLVSSA 114
:|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 NORMDAATLAVDKSTSTAVYMELSITSEDSGLIYYCARAGLNTGFDVRYDVWGAGTIV 120

QY 115 TVSSAKTTPPSVYPLAPGCGDTGSSVTLGCLVKGYPESTVTWNSGSLSSVHTFPAL 174
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 121 TVSSAKTTPPSVYPLAPGCGDTGSSVTLGCLVKGYPESTVTWNSGSLSSVHTFPAL 180

QY 175 LQ-SGLYTMSSSVTPPSTWPSQTFVTCVAHPASSVTVDKKLEPSPISITINPCPKCK 233
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 181 LQSSGLSLSSVTVTPSSSLGTQTYICNVNHNKPSNTKVKDKKVEPKSCDKT-HTCP- 235

QY 234 HKCAPMLDEGPSTFIRPNKIDVLMISLPKVTGVVVDSEDDPDVQISMFINNVNVEYHT 293
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 236 -CAPPELLGSPVFLPPPKKIDVLMISLPKVTGVVVDSEDDPDVQISMFINNVNVEYHT 293

QY 294 AQTQTHREDYNSTIRVSTLPIQHODMWSGKEFKCKVNNKDLPSPIERTISKIGLVAP 353
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 294 AKTPREDOYNSTIRVSTLPIQHODMWSGKEFKCKVNNKDLPSPIERTISKIGLVAP 353

QY 354 QVYILPPADQLSRKDVSLTCLVGVNPGDISVEMTSGNTEENYKDTAPVLDSDGSYFI 413
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 354 QVYILPPADQLSRKDVSLTCLVGVNPGDISVEMTSGNTEENYKDTAPVLDSDGSYFI 413

QY 414 YSKLMTKSMKEKTSFCNVHGLKNYYLTKTISPGK 454
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 414 YSKLMTKSMKEKTSFCNVHGLKNYYLTKTISPGK 454
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RESULT 8
US-08-458-516-13

```
Sequence 13, Application US/08458516
Patent No. 5777085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
TITLE OF INVENTION: GPIIB/IIIA
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Stewart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13
```

Query Match 60.4%; Score 1466.5; DB 1; Length 449;
Best Local Similarity 60.7%; Pred. No. 1.4e-110;
Matches 277; Conservative 69; Mismatches 101; Indels 9; Gaps 4;

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QY 1 EVOLQSGPELVKRGASVMISCRSAITFTENTYVHWKQSGESLEWIGGINPYGGSIF 60
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 QVOLQSGAEVKKRGSVSKASGVAFTYLLIEWRQADGGGLEWIGVTPSGGGTNY 60

QY 61 SPRKKGATLLVDRSSSTAVYMELSITSEDSAVYYCARAGAY-YFDWGGGTTLVSSA 119
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 NEKRGATLLVDRSSSTAVYMELSITSEDSADYVFCARADGNYGFAWGGTTLTVSSA 120

QY 120 KTPPSVYPLAPGCGDTGSSVTLGCLVKGYPESTVTWNSGSLSSVHTFPALQ-SG 178
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 121 STKPSVYPLAPGCGDTGSSVTLGCLVKGYPESTVTWNSGSLSSVHTFPALQSSG 180

QY 179 LYTMSSTVTPSSSTWPSQTFVTCVAHPASSVTVDKKLEPSPISITINPCPKCKHCPA 238
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 181 LYTMSSTVTPSSSTWPSQTFVTCVAHPASSVTVDKKLEPSPISITINPCPKCKHCPA 238

QY 239 PNLGSGPSVFTIRPNKIDVLMISLPKVTGVVVDSEDDPDVQISMFINNVNVEYHTAQTOT 298
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 234 PELGSGPSVFTIRPNKIDVLMISLPKVTGVVVDSEDDPDVQISMFINNVNVEYHTAQTOT 293

QY 299 HREDYNSTIRVSTLPIQHODMWSGKEFKCKVNNKDLPSPIERTISKIGLVAPDYIIL 358
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 294 REEQYNSTIRVSTLPIQHODMWSGKEFKCKVNNKDLPSPIERTISKIGLVAPDYIIL 353

QY 359 PPPADQLSRKDVSLTCLVGVNPGDISVEMTSGNTEENYKDTAPVLDSDGSYFIISKLN 418
```



```

1  SOFTWARE: WinPatlin (Genentech)
2  CURRENT APPLICATION DATA:
3  APPLICATION NUMBER: US/09/027,449
4  FILING DATE: 20-Feb-1998
5  CLASSIFICATION: 435
6  PRIOR APPLICATION DATA:
7  APPLICATION NUMBER: 60/074,330
8  FILING DATE: 22-Jan-1998
9  PRIOR APPLICATION DATA:
10 APPLICATION NUMBER: 60/038,664
11 FILING DATE: 21-Feb-1997
12 ATTORNEY/AGENT INFORMATION:
13 NAME: Love, Richard B.
14 REGISTRATION NUMBER: 34,659
15 REFERENCE/DOCKET NUMBER: P1085K3-2
16 TELECOMMUNICATION INFORMATION:
17 TELEPHONE: 650/225-5530
18 TELEFAX: 650/952-9881
19 INFORMATION FOR SEQ ID NO: 71:
20 SEQUENCE CHARACTERISTICS:
21 LENGTH: 452 amino acids
22 TYPE: Amino Acid
23 TOPOLOGY: Linear
24
25 US-09-027-449-71

```

Query Match	58.8%	Score 1427	DB 3	Length 452
Best Local Similarity	58.4%	Pred. No. 2.2e-107		
Matches 268	Conservative 75	Mismatches 104	Indels 12	Gaps 4

0Y	1	EVOLQOOSPELVKVCASVMI	CRTSAVFETNTNHWKOSGESLEMTGGINPYGGSIF	60
Db	1	EVOLVQOSSGGLVQROGSL	RLRSLCAASGIFSFSHHYHWRQARGLKLELVGIDPNSGETTY	60
0Y	61	SPKEKRAFLTVDKSSSTAY	WELSLTSEDSAVUYCA---RRAGAYFDYWGQTLTV	116
Db	61	NOKFGRFETLSRDNKSNT	AYLQMSLSRLREDAVYUYCCARGDYRYRGDMFFDWGCGTLTV	120
0Y	117	SSAKTPSPSYVPLAPGCD	TGSSVTLGCLVKGFPESVYUATNNGSLSSVHHFPAVLQ	176
Db	121	SSASTKGSVFPLAPSSKS	TSGGPAALGCLKDFPEPEVYUYNMWSGALTSVHFPEVLQ	180
0Y	177	SGLVTMSSVTVBSSSTP	SQTVTCVSAHPASSTYVDKLEPSPISITINPCRCSECHK	235
Db	181	SSGLVSLSSVTVTPSS	SLGTQTYICNNHKNRSNTRKVDKKEVPRKSCDMT-HNCP	233
0Y	236	CPAPLLEGGSVFPPRIK	UYLMSLTPKTYCYVVDSEDDPRVQJSMFVNNVYNTAQ	295
Db	234	CPAPELGGPVSFPLP	PKPDKTLMSRPETVCVVVSHEDPEKNNMYVDGEYENAK	293
0Y	296	TQTHHEDENSTIRAV	STPLIOHOMMSGKEKCKVYNNKDLPSPLERTISIKGLVRAVQ	355
Db	294	TKPREEOYNSTRYV	SVLTVLHQMLNKEKCKACVSKALPAPLEKITSNAKQPRPQV	353
0Y	356	YLPEPABQSRKVD	SLTCLVGVENPGDISVEMTNSNGHTEENYKDAVLDDSDGSYFIS	415
Db	354	YTLPPSREEMTKNO	VSLTCLVKGFPDSIDIAVEMESNGQPENNYKTPPLVDDSDGSFELIS	413
0Y	416	KLNKMTSKWEKTD	SPSCVVRHDEGLKNLYLKTITRSQK	454
Db	414	KLTVDKSRMOQGN	VSFCSVMEHDAIHNHTQSLSLSPK	452

RESULT 13
US-09-026-985-71
Sequence 71, Application US/09026985
Patent No. 6133426
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leon, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies

NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/026,985
FILING DATE: 20-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: PI108583-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino acid
TOPOLOGY: Linear
US-09-026-985-71

Query Match	58.8%	Score 1437	DB 4	Length 452
Best Local Similarity	58.4%	Pred. No. 2.2e-107		
Matches 268	Conservative 75	Mismatches 104	Indels 12	Gaps 4

QY	1	EVOLQOOSPELWIKFGASWIMCISFRTSAATFTNTNHWKOSHGISELEWIGINPYGSGISF	60
Db	1	EVOLVQOSGGGLVQVQGGSLRLSCASGYSFSSHYMHWRQAGKGLWVGVIYDPSNGFTTY	60
QY	61	SPKEKQATLTVDKSSSTAYWELNLSLTSDESAVYYCA----RRAGAVYFDYWGOGTTLTV	116
Db	61	NOKEGRTLLSRDMSKNATYALQNMNSLAEDPAVYVYCAAGDYRYGDMFPPYWGOGTTLTV	120
QY	117	SSAKTTPSYVPLAPGGGDTGGSVTLGCLVKGFPASVYTWNGSLSSVHFFPALQ	176
Db	121	SSASTKGPVPLAPSSKSTISGGTAALGCLVKDYFPPEVITYSMNSGALITCVHFFPAVLQ	180
QY	177	-SGLYTMSSTVTSSTWPSQGTQVCSVAHPASSTVYDKLEPSPGISTINPCRCSECHK	235
Db	181	SSGLYSLSSVYTVTSSSLGTQTYICNNHNRKSNFKYDKKVEPKSCDXT-HNCP------	233
QY	236	CPAPRLBGGVSVFTFPPRIKIVLWISLTLPKYTCVYVYDSEDDPRVQISWYVNNYEVNTAQ	295
Db	234	CPABELLGGPVVFLFPPKPKDTLWISTPETYCVYVYSHEDPEVKKMYVVDGVEVINAQ	293
QY	296	TQTHREDYNSIRVYVSTLRPDHOOMWMSGKEPKCKVNNKDLPSPIERTISKIKGLVRAQV	355
Db	294	TKPREEDYNSTRVYVSVLTVLVHQMLNGKEPKCKVSKNALPAPLEKTIISAKGQPREQV	355
QY	356	YLTPPEAQLSRKDYSLTCLVYVGFNPQDISVEMTNSNGTEBNYKDTAPVLDDSGSYFYS	415
Db	354	YTLPPSREEMTKNQVSLTCLVKGFPYPSDIAVEMESNQPENNYKTPPVLDDSDGSFELYS	413
QY	416	KLNNKTSKWEKTDTSFQCNVRHEGLKANNYYLKKKTIISRSPGK	454
Db	414	KLTVDKSRWQGVNFSQVMEHALHNHYTQSLSSLSGPK	452

```

RESULT 14
PCT-US93-07832-23
; Sequence 23, Application PC/TUS9307832
; GENERAL INFORMATION:

```


